

**Datasheet for 200-4180****Trypsinogen Antibody****Overview**

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| <b>Description:</b>  | Anti-Trypsinogen (RABBIT) Antibody (BULK ORDER) - 200-4180 |
| <b>Item No.:</b>     | 200-4180                                                   |
| <b>Size:</b>         | 50 mg                                                      |
| <b>Applications:</b> | Dot Blot, ELISA, WB                                        |
| <b>Reactivity:</b>   | Bovine                                                     |
| <b>Host Species:</b> | Rabbit                                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Background:</b>   | Trypsinogen, is a precursor to trypsin and a digestive enzyme. It functions as storage of an inactive form of trypsin and kept in the pancreas then released in significant amount, along with other enzymes, when required for protein digestion. Serum trypsinogen is measured using a blood test. Diseases associated with Trypsinogen high levels or mutations are acute pancreatitis and cystic fibrosis. Anti-Trypsinogen Antibody can be useful for researchers interested in studying the serum or pancreas. |
| <b>Synonyms:</b>     | rabbit anti-Trypsinogen Antibody, Brain trypsinogen antibody, Cationic trypsinogen antibody, Mesotrypsinogen antibody, Pancreatic anionic trypsinogen antibody, Protease, serine, 2 antibody, PRSS2 antibody                                                                                                                                                                                                                                                                                                         |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                        |                               |
|------------------------|-------------------------------|
| <b>Gene Name:</b>      | PRSS2                         |
| <b>Reactivity:</b>     | Bovine                        |
| <b>Immunogen Type:</b> | Native Protein                |
| <b>Immunogen:</b>      | Trypsinogen [Bovine Pancreas] |

**Purity/Specificity:** Anti-Trypsinogen is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Trypsinogen [Bovine Pancreas]. Cross reactivity against Trypsinogen from other tissues and species may occur but have not been specifically determined.

**Relevant Links:**

- [UniProtKB - Q29463](#)
- [NCBI - AAI42037.1](#)
- [GeneID - 282603](#)

## Application Details

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Tested Applications:</b>    | Dot Blot, ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Suggested Applications:</b> | WB (Based on references)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Application Note:</b>       | Trypsinogen Antibody has been tested by ELISA and dot blot and is assayed against 1.0 ug of Trypsinogen [Bovine Pancreas] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,300 to 1:8,400 of the reconstitution concentration is suggested for this product. |
| <b>Assay Dilutions:</b>        | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ELISA:</b>                  | 1:5,000 - 1:25,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>WB:</b>                     | 1:500 - 1:3,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Formulation

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                |
| <b>Concentration:</b>         | 10.0 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>            | None                                                       |
| <b>Reconstitution Volume:</b> | 5.0 mL                                                     |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)               |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## References

- Zhang P et al. The PERK eukaryotic initiation factor 2 $\alpha$  kinase is required for the development of the skeletal system, postnatal growth, and the function and viability of the pancreas. *Mol Cell Biol.* (2002)

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.